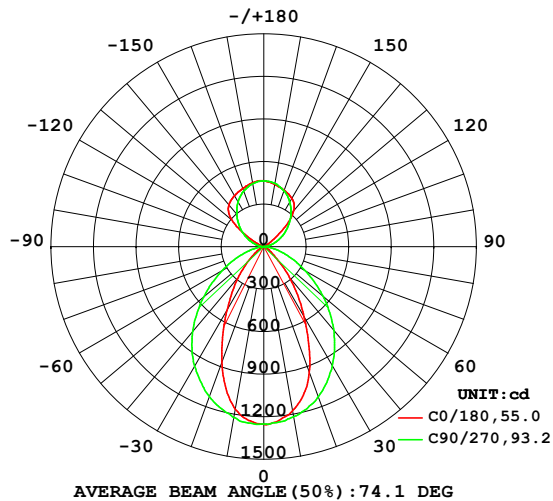


LUMINAIRE PHOTOMETRIC TEST REPORT

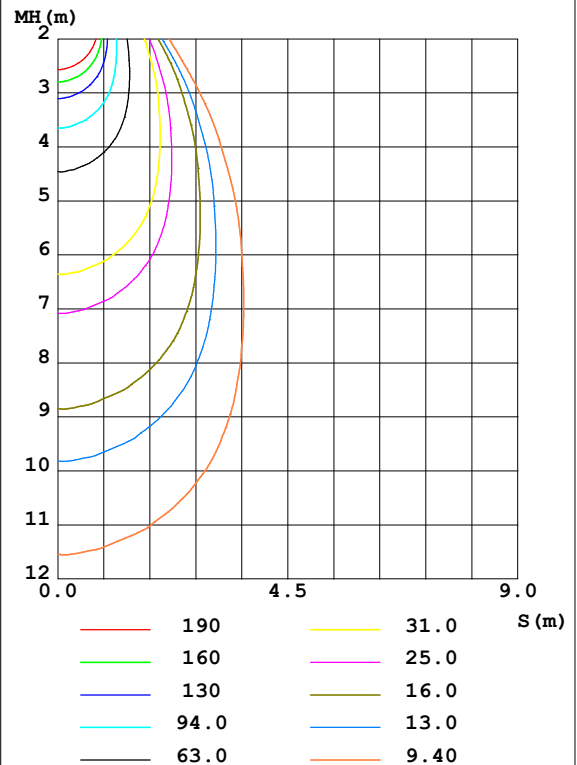
Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.51 lm/W			
MODEL		I _{max} (cd)	1255	S/MH (C0/180)	0.87
NOMINAL POWER(W)	30W	LOR(%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2898.3	η UP,DN (C0-180)	18.2,32.0
NOMINAL FLUX(lm)	2898.34	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	18.7,31.0
LAMPS INSIDE	1	η up (%)	36.9	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down (%)	63.1	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

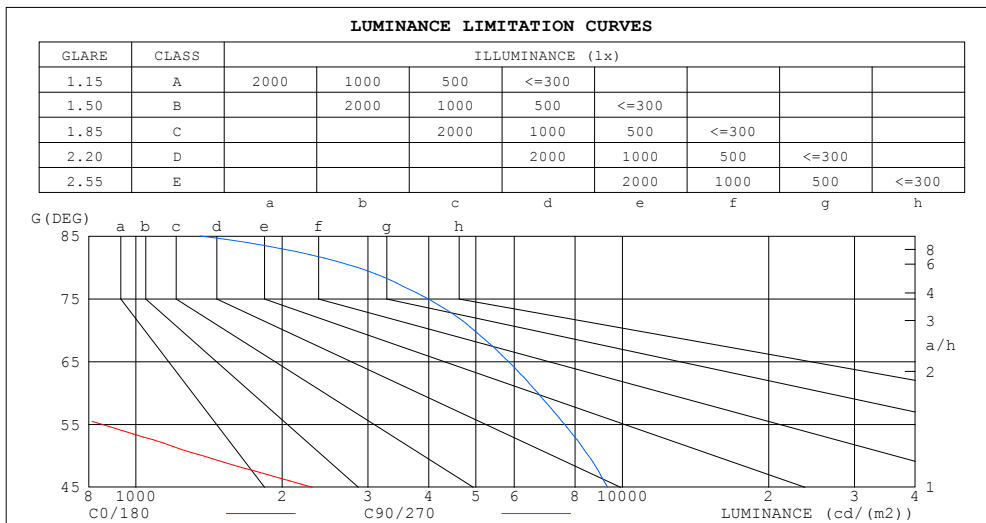
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1174	1203	1218	1204	1165	1198	1223	1184	0- 10	116.8	116.8	4.03,4.03
20	940.9	1048	1127	1028	865.3	987.0	1125	1007	10- 20	313.8	430.6	14.9,14.9
30	567.8	772.4	967.8	733.8	521.3	690.8	974.5	716.4	20- 30	406.0	836.7	28.9,28.9
40	284.1	466.3	769.8	457.4	279.7	425.4	780.6	430.1	30- 40	381.4	1218	42,42
50	88.19	254.9	547.8	261.6	107.4	243.1	554.9	229.5	40- 50	293.8	1512	52.2,52.2
60	26.88	88.66	335.4	117.9	35.59	106.3	340.5	77.21	50- 60	186.1	1698	58.6,58.6
70	3.558	19.11	169.5	34.51	6.436	31.70	165.0	15.36	60- 70	91.70	1790	61.7,61.7
80	1.701	2.578	49.57	3.290	2.341	3.105	42.35	2.206	70- 80	32.79	1822	62.9,62.9
90	1.108	1.680	0.0357	1.692	1.415	2.170	0.0127	1.487	80- 90	5.438	1828	63.1,63.1
100	1.677	2.326	24.83	5.544	4.089	6.871	28.67	2.662	90-100	4.206	1832	63.2,63.2
110	4.699	11.12	82.26	61.54	20.07	67.39	84.99	15.30	100-110	24.14	1856	64,64
120	27.99	86.15	151.4	190.2	101.3	199.9	151.5	106.5	110-120	80.17	1936	66.8,66.8
130	140.6	221.6	223.9	280.2	295.5	284.4	225.2	234.9	120-130	165.3	2102	72.5,72.5
140	327.2	310.2	300.1	337.7	384.0	340.0	297.1	314.9	130-140	221.3	2323	80.1,80.1
150	396.1	367.3	367.0	387.1	415.1	387.9	364.1	368.9	140-150	222.6	2546	87.8,87.8
160	423.7	409.6	418.4	427.2	437.2	427.7	417.1	413.3	150-160	185.5	2731	94.2,94.2
170	447.4	443.9	454.4	458.1	458.9	458.2	451.3	447.1	160-170	123.6	2855	98.5,98.5
180	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	170-180	43.72	2898	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



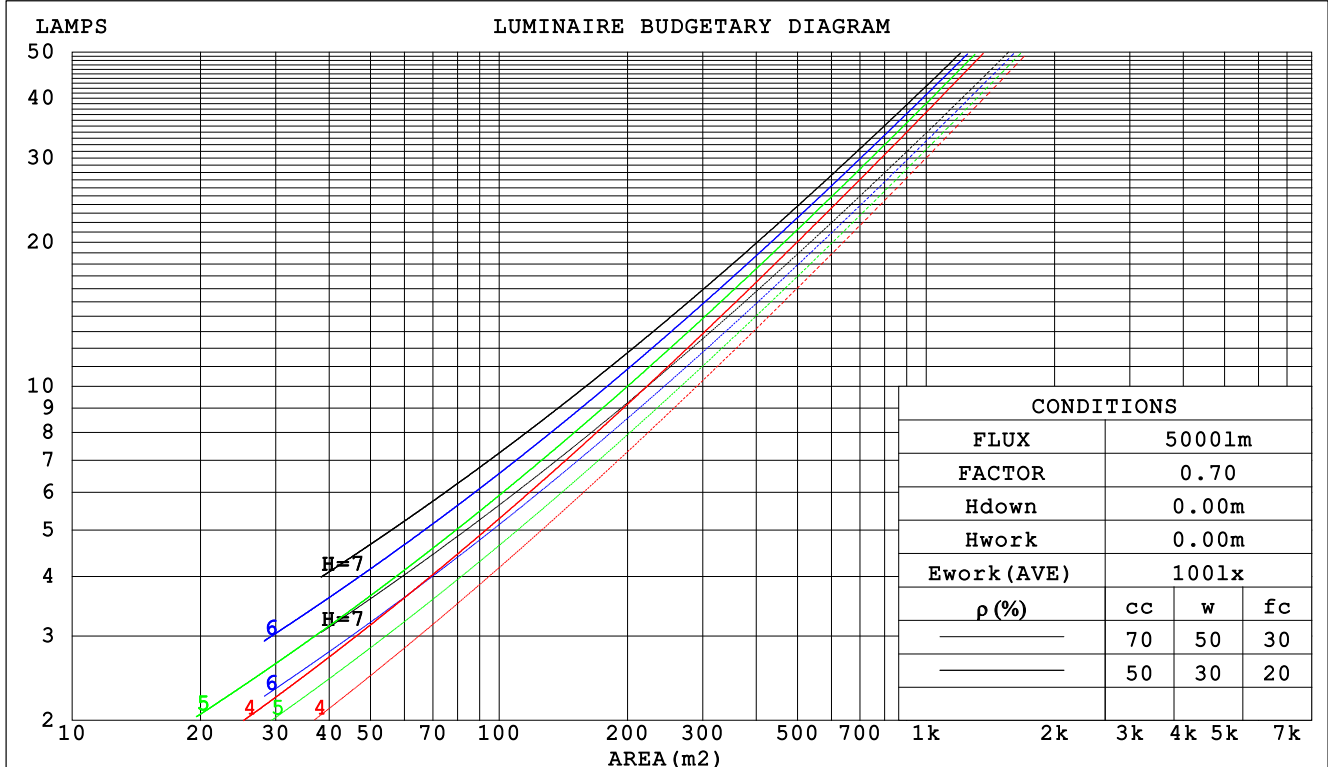
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.10	1.10	1.10	1.03	1.03	1.03	.91	.91	.91	.79	.79	.79	.68	.68	.68	.63
1.0	.99	.95	.92	.93	.90	.87	.82	.80	.78	.72	.70	.69	.63	.62	.61	.56
2.0	.88	.83	.78	.83	.78	.74	.74	.70	.67	.65	.63	.60	.57	.56	.54	.50
3.0	.79	.72	.67	.75	.69	.64	.67	.62	.59	.59	.56	.53	.52	.50	.48	.44
4.0	.71	.64	.59	.68	.61	.56	.61	.56	.52	.54	.50	.47	.48	.45	.43	.40
5.0	.64	.57	.52	.61	.55	.50	.55	.50	.46	.49	.45	.42	.44	.41	.38	.36
6.0	.59	.51	.46	.56	.49	.44	.51	.45	.41	.45	.41	.38	.41	.37	.35	.32
7.0	.54	.46	.41	.51	.44	.40	.46	.41	.37	.42	.38	.34	.38	.34	.32	.29
8.0	.49	.42	.37	.47	.41	.36	.43	.37	.34	.39	.35	.31	.35	.32	.29	.27
9.0	.46	.38	.34	.44	.37	.33	.40	.34	.31	.36	.32	.29	.33	.29	.27	.25
10.0	.42	.35	.31	.40	.34	.30	.37	.32	.28	.34	.29	.26	.31	.27	.25	.23



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm					
NAME: 12代 2FT 黑色			TYPE:4000K		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.241	.137	.043	.222	.127	.040	.189	.108	.035	.158	.091	.029	.129	.075	.024		
2.0	.228	.125	.038	.212	.117	.036	.182	.101	.031	.153	.086	.027	.127	.072	.023		
3.0	.215	.114	.034	.200	.107	.032	.172	.093	.028	.146	.080	.025	.123	.068	.021		
4.0	.201	.105	.031	.188	.098	.029	.162	.086	.026	.139	.075	.022	.117	.064	.019		
5.0	.189	.096	.028	.176	.091	.026	.153	.080	.023	.131	.069	.021	.111	.059	.018		
6.0	.177	.089	.025	.166	.084	.024	.144	.074	.022	.124	.065	.019	.106	.056	.017		
7.0	.167	.082	.023	.156	.078	.022	.136	.069	.020	.118	.060	.018	.101	.052	.015		
8.0	.157	.077	.022	.148	.073	.021	.129	.065	.018	.112	.057	.016	.096	.049	.014		
9.0	.149	.072	.020	.140	.068	.019	.122	.061	.017	.106	.053	.015	.091	.046	.013		
10.0	.141	.067	.019	.132	.064	.018	.116	.057	.016	.101	.050	.014	.087	.044	.013		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.472	.472	.472	.403	.403	.403	.275	.275	.275	.158	.158	.158	.051	.051	.051	
1.0	.459	.440	.424	.393	.378	.365	.269	.260	.252	.155	.151	.147	.050	.048	.047	
2.0	.449	.418	.391	.385	.360	.338	.264	.249	.236	.152	.145	.138	.049	.047	.045	
3.0	.441	.401	.369	.378	.346	.320	.260	.240	.225	.150	.140	.132	.048	.046	.043	
4.0	.433	.388	.354	.372	.336	.307	.256	.234	.216	.148	.137	.128	.048	.045	.042	
5.0	.427	.378	.343	.366	.327	.298	.252	.229	.211	.146	.134	.125	.047	.044	.041	
6.0	.420	.370	.335	.361	.321	.291	.249	.225	.206	.145	.132	.123	.047	.043	.040	
7.0	.414	.364	.329	.356	.315	.286	.246	.221	.203	.143	.130	.121	.046	.043	.040	
8.0	.409	.359	.324	.352	.311	.282	.244	.218	.200	.142	.129	.119	.046	.042	.040	
9.0	.404	.354	.320	.348	.307	.279	.241	.216	.198	.140	.128	.118	.045	.042	.039	
10.0	.399	.350	.317	.344	.304	.277	.239	.214	.197	.139	.126	.117	.045	.042	.039	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm										
NAME: 12代 2FT 黑色					TYPE:4000K			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	10.1	11.0	10.8	11.7	12.6	17.2	18.1	17.9	18.8	19.6
3H	9.8	10.6	10.5	11.4	12.2	18.1	18.9	18.8	19.7	20.5
4H	9.6	10.4	10.4	11.2	12.1	18.4	19.2	19.2	19.9	20.8
6H	9.5	10.2	10.3	11.0	11.9	18.5	19.2	19.3	20.0	20.9
8H	9.4	10.1	10.2	10.9	11.8	18.5	19.2	19.3	20.0	20.9
12H	9.3	10.0	10.1	10.8	11.7	18.5	19.1	19.3	19.9	20.9
4H 2H	10.5	11.3	11.3	12.1	13.0	16.8	17.6	17.6	18.4	19.3
3H	10.2	10.9	11.0	11.7	12.6	17.8	18.5	18.6	19.3	20.2
4H	10.0	10.6	10.9	11.4	12.4	18.2	18.8	19.0	19.6	20.6
6H	9.9	10.4	10.7	11.2	12.3	18.4	18.9	19.2	19.7	20.8
8H	9.8	10.3	10.7	11.1	12.2	18.4	18.9	19.3	19.7	20.8
12H	9.7	10.1	10.6	11.0	12.1	18.4	18.8	19.3	19.7	20.7
8H 4H	10.1	10.5	10.9	11.4	12.5	17.9	18.4	18.8	19.3	20.3
6H	9.9	10.3	10.8	11.2	12.3	18.2	18.6	19.1	19.4	20.5
8H	9.8	10.2	10.7	11.0	12.2	18.2	18.5	19.1	19.4	20.6
12H	9.7	10.0	10.7	10.9	12.1	18.2	18.5	19.1	19.4	20.5
12H 4H	10.1	10.5	10.9	11.3	12.4	17.9	18.3	18.7	19.2	20.2
6H	9.9	10.2	10.8	11.1	12.2	18.1	18.4	19.0	19.3	20.4
8H	9.8	10.1	10.7	11.0	12.1	18.1	18.4	19.1	19.3	20.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 4.5					+ 0.3 / - 0.3				
1.5H	+ 1.5 / - 3.3					+ 0.8 / - 1.2				
2.0H	+ 2.9 / - 5.3					+ 1.8 / - 2.5				

CIE Pub.117 Corrected 2898 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

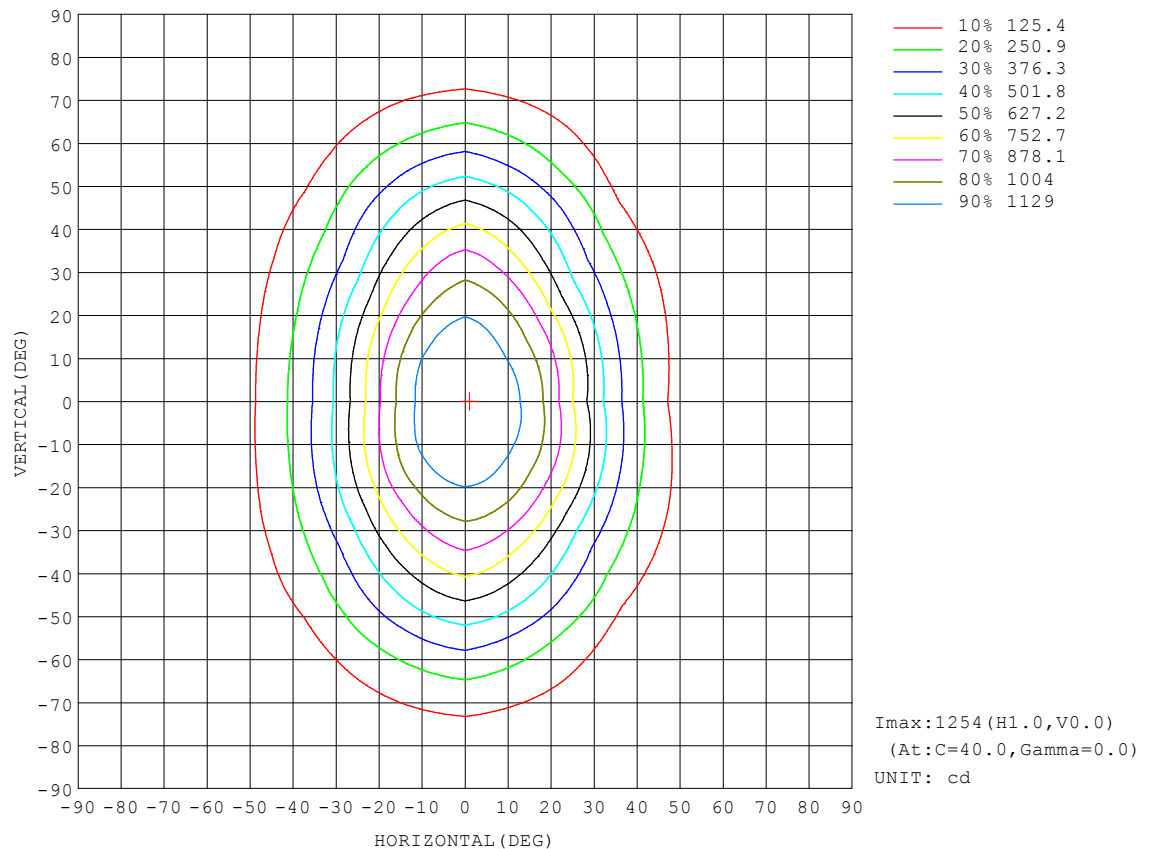
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	46	41	54	45	40	50	43	38	32
0.80	65	55	49	62	54	48	58	50	46	37
1.00	72	63	57	69	61	55	63	58	52	42
1.25	79	70	64	75	67	62	68	62	58	46
1.50	83	75	69	79	72	66	71	66	62	49
2.00	89	82	76	84	78	73	76	71	67	52
2.50	93	86	80	88	82	77	78	74	71	54
3.00	95	89	84	90	85	81	80	77	73	55
4.00	99	94	90	93	89	85	83	80	77	57
5.00	101	97	93	95	91	88	84	82	79	58
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

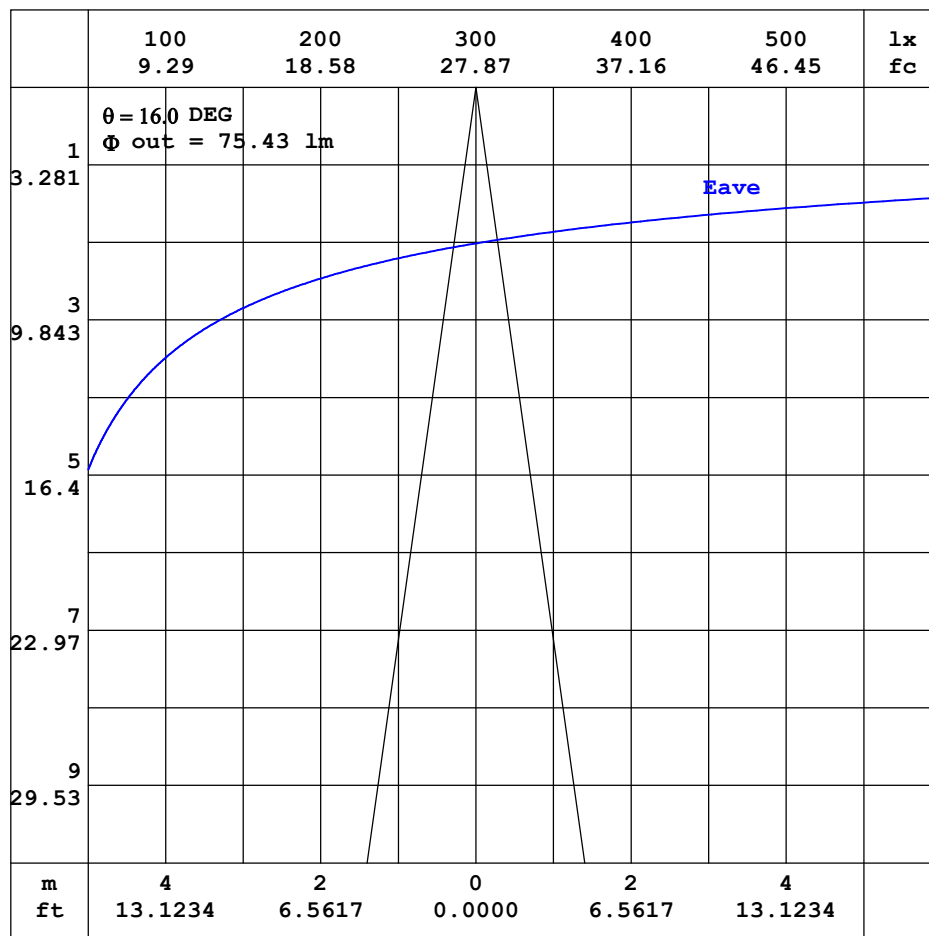


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



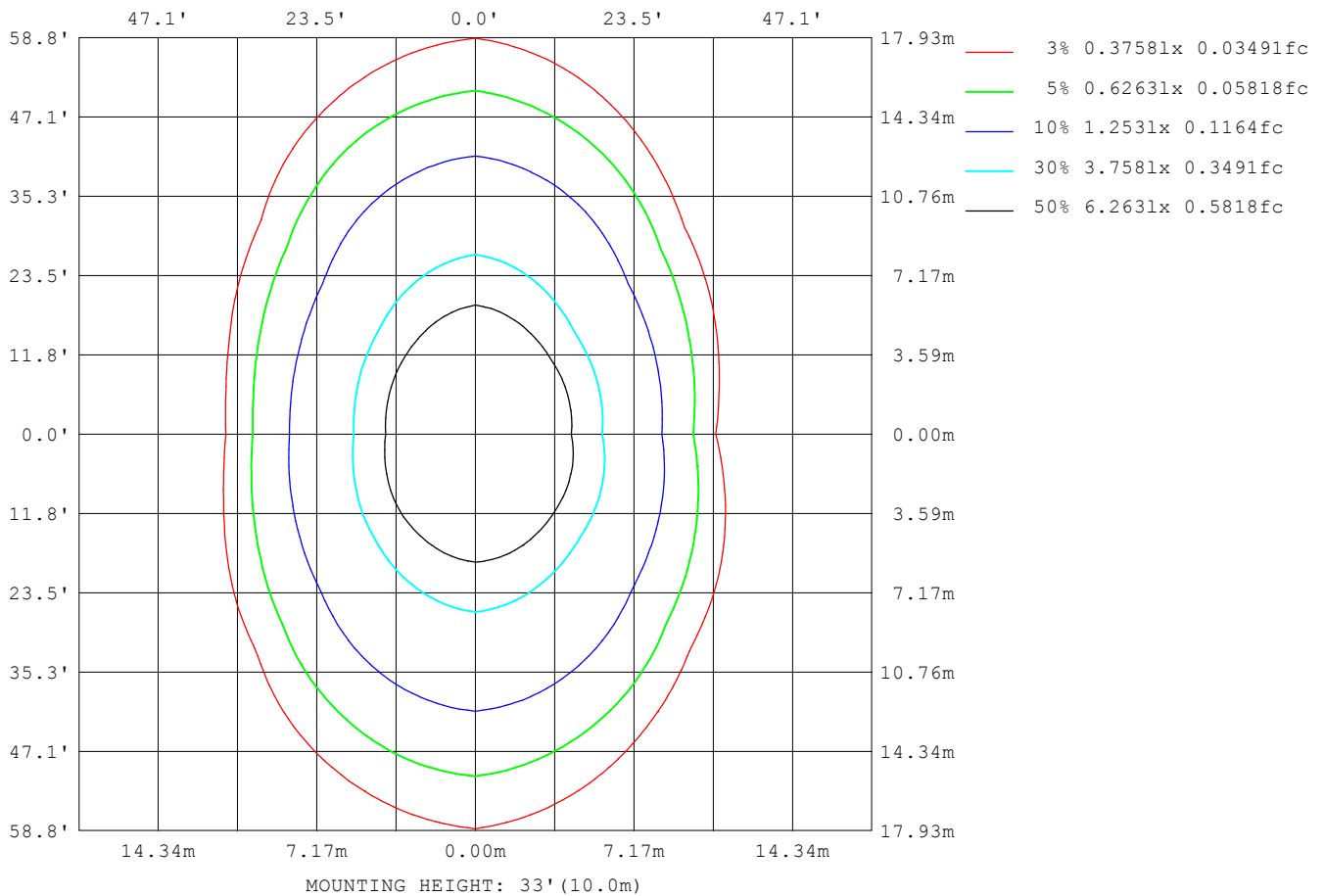
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

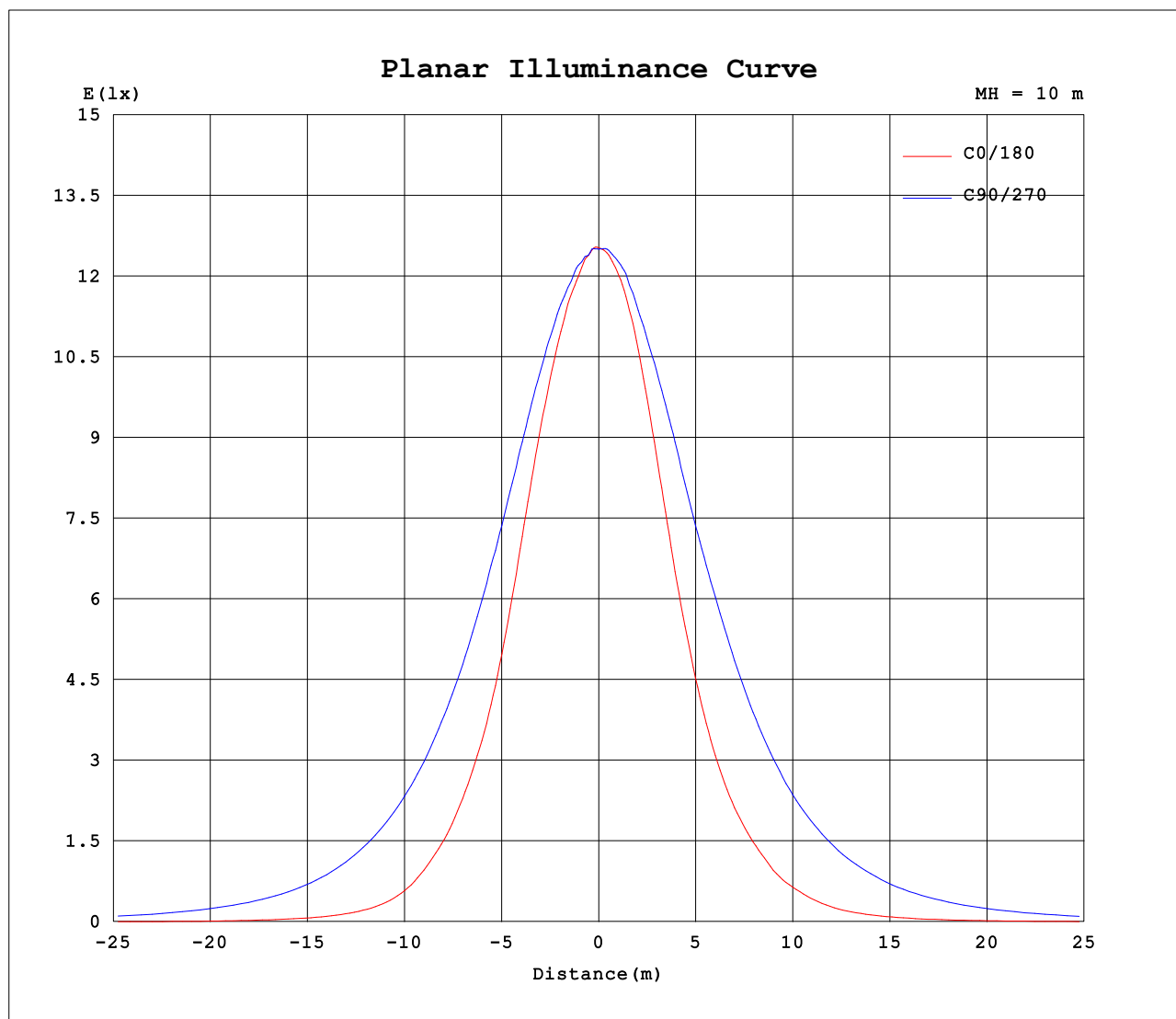
AvgL	cd/m2
L_0~180 (65) av	341
L_0~180 (75) av	112
L_0~180 (85) av	170
L_90~270 (65) av	5838
L_90~270 (75) av	3830
L_90~270 (85) av	1101
L_45 (65) av	1243
L_45 (75) av	262
L_45 (85) av	226

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1253	1253	1254	1254	1255	1255	1255	1255	1255	1255	1255	1254	1254	1253	1253	1252	1251	1251	1250
5	1230	1231	1232	1233	1234	1235	1236	1237	1238	1238	1239	1239	1240	1240	1240	1241	1241	1241	1241
10	1174	1178	1182	1185	1188	1192	1195	1197	1200	1203	1205	1208	1210	1212	1214	1215	1216	1217	1218
15	1082	1089	1095	1101	1107	1113	1119	1125	1130	1136	1143	1150	1157	1163	1169	1174	1178	1182	1184
20	941	954	967	980	992	1004	1016	1027	1038	1048	1061	1074	1085	1096	1105	1113	1120	1125	1127
25	752	774	795	816	837	856	875	894	912	929	950	970	988	1006	1021	1034	1044	1051	1055
30	568	591	614	637	660	683	705	728	750	772	802	831	859	885	909	930	947	960	968
35	418	436	455	474	495	516	538	561	585	610	646	683	719	754	785	814	838	858	871
40	284	298	314	331	350	370	392	415	440	466	508	549	590	630	667	701	730	753	770
45	163	178	195	213	233	254	277	301	326	353	395	437	479	519	556	590	619	643	660
50	88.2	100	114	130	147	165	185	207	230	255	294	334	373	411	447	480	508	531	548
55	48.8	54.0	61.0	70.1	81.0	93.8	109	125	144	164	199	235	271	306	340	370	397	419	436
60	26.9	24.6	24.6	26.9	31.5	38.4	47.5	58.9	72.7	88.7	119	150	182	214	244	273	298	319	335
65	9.90	5.66	3.47	3.32	5.22	9.17	15.2	23.2	33.3	45.4	69.6	95.1	121	147	172	195	216	233	247
70	3.56	0.25	0.24	0.22	0.21	0.20	0.18	4.00	10.7	19.1	36.8	55.7	75.0	94.3	113	130	146	159	170
75	2.75	0.19	0.19	0.19	0.19	0.18	0.18	0.17	0.17	3.55	15.1	27.4	40.1	52.9	65.3	77.0	87.4	96.3	103
80	1.70	0.21	0.21	0.22	0.22	0.22	0.22	0.21	0.21	2.58	8.07	13.9	20.0	26.1	31.9	37.4	42.3	46.4	49.6
85	1.34	0.93	0.65	0.47	0.42	0.48	0.65	0.95	1.36	1.88	3.05	4.30	5.59	6.87	8.11	9.26	10.3	11.2	11.8
90	1.11	1.28	1.43	1.54	1.64	1.70	1.74	1.74	1.73	1.68	1.51	1.31	1.11	0.90	0.69	0.49	0.31	0.16	0.04
95	1.16	1.07	1.02	1.00	1.01	1.06	1.13	1.25	1.39	1.57	1.93	2.31	2.70	3.09	3.48	3.84	4.16	4.45	4.67
100	1.68	0.67	0.56	0.59	0.62	0.64	0.65	0.65	1.17	2.33	4.91	7.68	10.5	13.4	16.2	18.8	21.2	23.2	24.8
105	2.81	0.60	0.39	0.39	0.39	0.38	0.37	0.36	1.29	3.70	8.95	14.6	20.5	26.5	32.3	37.9	43.1	47.6	51.3
110	4.70	2.22	0.53	0.24	0.24	0.28	1.79	4.10	7.21	11.1	18.7	26.8	35.4	44.1	52.7	61.0	68.9	76.0	82.3
115	11.8	11.7	12.3	13.5	15.5	18.1	21.4	25.5	30.2	35.6	44.0	53.0	62.3	71.8	81.2	90.5	99.4	108	116
120	28.0	34.1	40.3	46.6	53.0	59.4	66.0	72.6	79.3	86.1	93.7	101	109	116	124	131	138	145	151
125	64.1	77.6	90.3	102	113	124	133	142	150	157	162	166	170	173	176	179	182	185	187
130	141	154	165	176	186	195	203	210	217	222	223	224	225	224	224	224	223	223	224
135	247	252	256	260	263	266	268	270	272	273	271	270	268	267	265	264	262	262	262
140	327	325	323	321	319	317	315	313	312	310	308	306	304	302	301	300	300	300	300
145	373	368	364	360	356	353	350	347	344	342	340	338	337	335	335	334	334	334	335
150	396	392	387	383	380	377	374	371	369	367	366	365	364	364	364	364	365	366	367
155	411	407	404	400	398	395	393	391	390	389	389	389	389	390	391	392	393	395	396
160	424	421	419	416	415	413	412	411	410	410	410	410	411	412	413	414	416	417	418
165	436	435	434	433	432	431	431	430	430	430	430	431	432	432	433	434	435	436	437
170	447	446	445	445	444	444	443	443	444	444	445	446	447	448	449	451	452	453	454
175	458	457	457	456	456	456	455	455	455	456	456	456	457	458	458	459	460	461	461
180	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1250	1249	1249	1249	1248	1248	1248	1248	1248	1249	1249	1249	1250	1250	1251	1251	1252	1253	1253
5	1241	1241	1241	1241	1241	1241	1241	1240	1240	1239	1237	1236	1235	1234	1232	1231	1230	1230	1230
10	1217	1217	1216	1215	1213	1211	1209	1207	1204	1199	1194	1189	1184	1179	1174	1171	1167	1165	1166
15	1183	1180	1177	1172	1167	1160	1153	1145	1137	1124	1111	1098	1085	1073	1062	1052	1043	1037	1039
20	1123	1117	1109	1099	1087	1074	1060	1045	1028	1007	985	964	943	923	905	889	876	865	870
25	1047	1035	1020	1002	983	961	938	914	889	861	834	807	781	756	734	715	699	688	693
30	955	937	915	890	862	832	800	767	734	703	672	643	615	590	567	548	533	521	526
35	855	833	807	776	742	705	667	628	589	558	527	499	472	448	427	410	396	386	390
40	752	727	697	662	624	584	542	499	457	428	400	374	351	330	312	298	287	280	282
45	642	617	587	552	513	473	431	388	347	318	292	267	246	226	210	197	188	181	184
50	532	509	482	450	415	377	339	300	262	235	210	188	167	150	134	122	113	107	110
55	422	402	378	349	318	285	251	217	183	161	141	123	107	93.4	81.8	72.7	66.0	62.1	63.8
60	323	306	285	260	234	205	176	146	118	102	87.3	74.6	63.6	54.4	46.9	41.3	37.5	35.6	35.7
65	236	221	203	183	160	136	112	88.3	65.3	54.4	45.0	37.2	30.9	26.0	22.4	20.1	18.9	19.0	18.1
70	161	150	137	121	105	87.0	69.1	51.4	34.5	27.1	20.9	15.9	12.0	9.14	7.22	6.18	5.94	6.44	5.61
75	97.5	89.7	80.3	69.7	58.2	46.2	34.2	22.4	11.3	7.47	4.63	2.64	1.39	0.80	0.76	1.19	1.98	3.05	1.83
80	46.5	42.5	37.7	32.3	26.5	20.5	14.5	8.73	3.29	1.74	0.70	0.41	0.41	0.40	0.40	0.87	1.56	2.34	1.67
85	11.2	10.4	9.37	8.25	7.04	5.79	4.54	3.32	2.17	1.81	1.54	1.37	1.28	1.26	1.29	1.37	1.49	1.63	1.57
90	0.15	0.30	0.48	0.68	0.88	1.10	1.31	1.51	1.69	1.70	1.69	1.67	1.63	1.59	1.54	1.49	1.45	1.42	1.52
95	4.55	4.37	4.14	3.88	3.60	3.30	3.01	2.72	2.45	2.39	2.35	2.34	2.35	2.39	2.43	2.49	2.56	2.64	2.62
100	23.7	22.1	20.1	17.9	15.5	12.9	10.4	7.90	5.54	4.75	4.16	3.75	3.50	3.40	3.43	3.57	3.79	4.09	3.92
105	50.1	48.0	45.2	41.9	38.1	34.0	29.7	25.4	21.1	18.6	16.3	14.3	12.5	11.0	9.82	8.93	8.36	8.13	8.74
110	83.2	83.1	82.0	80.2	77.5	74.3	70.4	66.2	61.5	56.0	50.3	44.6	39.2	34.1	29.4	25.5	22.3	20.1	23.1
115	120	124	127	129	130	130	129	127	124	115	105	94.5	84.2	74.2	64.9	56.7	49.8	44.6	51.3
120	159	166	172	178	183	186	189	190	190	181	170	159	148	136	126	116	108	101	109
125	194	201	208	215	221	227	232	237	240	237	233	229	224	219	214	209	205	201	206
130	229	235	241	248	255	261	268	274	280	284	287	289	291	293	294	295	295	296	296
135	266	270	275	280	286	292	298	304	311	317	323	329	334	339	343	347	350	352	350
140	303	306	309	313	318	322	327	332	338	344	351	357	363	369	374	378	382	384	382
145	337	340	343	346	349	353	357	361	365	370	375	381	385	390	394	397	400	402	400
150	368	370	372	374	376	379	382	384	387	391	395	399	402	406	409	411	414	415	414
155	397	398	400	401	402	404	405	407	408	411	413	416	418	420	422	424	425	426	425
160	419	420	421	422	423	424	425	426	427	429	430	431	433	434	435	436	437	437	437
165	438	439	440	441	442	443	444	445	446	446	447	447	448	448	448	448	448	448	448
170	455	456	456	457	457	457	458	458	458	458	459	459	459	459	459	459	459	459	459
175	462	462	463	463	463	464	464	464	465	465	465	465	465	466	466	466	466	466	465
180	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm		
NAME: 12代 2FT 黑色	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1253	1254	1254	1255	1255	1255	1255	1255	1255	1254	1254	1253	1253	1252	1251	1251	1250	1250	1249
5	1230	1231	1231	1232	1233	1234	1235	1237	1238	1240	1242	1243	1245	1246	1247	1248	1248	1246	1244
10	1169	1172	1175	1179	1184	1189	1193	1198	1202	1206	1210	1214	1217	1219	1221	1223	1223	1220	1217
15	1044	1050	1058	1067	1076	1087	1098	1109	1119	1129	1139	1148	1156	1163	1170	1174	1178	1173	1167
20	877	887	900	915	931	949	968	987	1007	1026	1045	1063	1079	1094	1107	1117	1125	1119	1110
25	702	715	731	749	771	793	818	843	872	901	929	956	981	1004	1024	1040	1052	1044	1031
30	535	549	565	585	608	634	661	691	729	767	805	842	876	908	935	958	975	961	941
35	398	410	425	445	467	492	520	550	594	639	683	726	767	804	837	864	883	864	838
40	288	298	311	328	348	371	397	425	471	518	566	612	655	695	730	759	781	760	732
45	191	200	214	230	250	272	297	325	369	415	461	505	547	586	619	647	667	647	619
50	116	126	139	154	173	194	217	243	284	326	368	408	447	482	512	537	555	535	509
55	68.2	75.3	84.9	97.1	112	128	148	169	205	242	279	315	349	380	407	428	444	424	399
60	37.7	41.6	47.5	55.3	65.1	76.8	90.6	106	136	168	199	230	259	285	308	327	341	323	300
65	18.3	19.8	22.6	26.8	32.5	39.8	48.7	59.4	82.8	107	132	157	180	201	220	236	247	233	215
70	5.52	6.23	7.83	10.4	14.0	18.7	24.6	31.7	48.3	65.7	83.4	101	117	133	146	157	165	155	141
75	0.88	0.38	0.41	0.51	1.52	3.24	5.77	9.19	19.5	30.4	41.6	52.8	63.5	73.4	82.2	89.5	95.0	88.6	80.4
80	1.07	0.59	0.56	0.60	0.63	0.90	1.79	3.11	7.72	12.7	17.7	22.8	27.7	32.3	36.3	39.8	42.4	39.6	36.1
85	1.53	1.51	1.52	1.56	1.64	1.76	1.93	2.15	2.78	3.45	4.13	4.81	5.46	6.06	6.59	7.03	7.35	6.97	6.47
90	1.63	1.75	1.86	1.96	2.05	2.12	2.16	2.17	1.95	1.71	1.45	1.18	0.91	0.65	0.41	0.19	0.01	0.10	0.22
95	2.61	2.62	2.64	2.69	2.76	2.86	3.00	3.18	3.72	4.28	4.85	5.41	5.94	6.42	6.83	7.15	7.37	6.94	6.39
100	3.82	3.82	3.92	4.17	4.56	5.13	5.89	6.87	9.58	12.4	15.3	18.2	20.9	23.4	25.6	27.4	28.7	26.8	24.5
105	9.68	11.0	12.5	14.4	16.5	18.9	21.5	24.3	28.8	33.4	37.9	42.2	46.2	49.7	52.5	54.6	55.8	51.7	46.8
110	27.1	31.8	37.2	43.0	49.1	55.3	61.4	67.4	71.9	75.9	79.4	82.3	84.5	86.0	86.6	86.3	85.0	78.9	71.9
115	59.7	69.5	80.2	91.4	103	114	125	135	137	138	138	137	135	131	127	123	117	110	103
120	119	130	142	154	167	179	190	200	199	197	193	188	182	175	167	159	152	147	143
125	211	216	222	228	234	239	243	247	242	237	231	225	217	210	203	195	188	188	187
130	296	296	295	294	292	290	288	284	278	271	264	257	250	243	236	230	225	226	227
135	348	345	341	336	331	326	320	314	307	300	294	287	281	275	270	265	261	262	263
140	379	375	370	365	359	353	347	340	334	328	323	317	312	308	303	300	297	297	298
145	398	395	391	386	382	377	372	367	362	358	353	349	345	342	338	336	333	333	333
150	412	409	406	403	399	396	392	388	385	381	378	375	373	370	368	366	364	363	363
155	424	422	421	418	416	414	411	409	407	405	403	401	399	397	396	395	393	392	392
160	436	435	434	433	432	431	429	428	426	425	424	423	421	420	419	418	417	416	415
165	448	447	447	446	446	445	445	444	443	442	441	440	439	438	437	436	435	435	434
170	459	459	459	459	459	459	458	458	458	457	456	455	455	454	453	452	451	451	450
175	465	465	465	464	464	464	463	463	463	463	463	463	463	462	462	462	462	462	461
180	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2320A P:28.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2898.34x1 lm																	
NAME: 12代 2FT 黑色									TYPE:4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1249	1249	1248	1248	1248	1248	1248	1248	1249	1249	1249	1250	1250	1251	1252				
5	1242	1240	1237	1235	1233	1230	1228	1227	1227	1226	1226	1227	1227	1228	1229				
10	1213	1208	1204	1199	1194	1189	1184	1182	1179	1178	1176	1175	1174	1174	1174				
15	1160	1152	1143	1134	1125	1115	1106	1101	1097	1093	1090	1087	1085	1084	1083				
20	1099	1086	1071	1056	1039	1023	1007	997	988	979	971	964	957	951	946				
25	1015	995	974	950	926	901	876	860	844	829	814	800	787	775	763				
30	917	888	856	822	787	752	716	695	674	655	637	620	605	591	579				
35	807	770	730	688	645	601	559	534	512	491	473	458	445	433	425				
40	697	658	615	569	522	476	430	404	380	359	340	324	310	299	290				
45	586	547	505	460	414	368	323	296	271	249	229	211	196	182	171				
50	477	440	400	358	315	272	230	205	182	162	144	128	115	104	94.8				
55	368	333	296	257	217	178	140	120	101	86.1	73.3	63.2	55.7	50.7	48.5				
60	273	243	210	176	142	109	77.2	61.1	47.6	36.8	28.6	23.0	20.0	19.7	22.0				
65	193	170	144	118	90.8	64.7	40.0	28.0	18.1	10.4	4.85	1.50	0.38	1.34	4.53				
70	126	108	89.8	70.7	51.5	32.9	15.4	7.24	0.83	0.31	0.30	0.30	0.30	0.29	0.28				
75	70.8	60.1	48.6	36.8	25.1	13.7	3.09	0.30	0.30	0.29	0.29	0.27	0.26	0.24	0.22				
80	31.9	27.2	22.2	17.1	11.9	6.89	2.21	0.37	0.37	0.37	0.35	0.33	0.31	0.28	0.24				
85	5.88	5.22	4.52	3.79	3.06	2.36	1.69	1.39	1.16	0.99	0.88	0.84	0.87	0.96	1.12				
90	0.37	0.55	0.73	0.93	1.13	1.31	1.49	1.54	1.56	1.57	1.55	1.51	1.44	1.35	1.24				
95	5.77	5.09	4.37	3.63	2.89	2.18	1.52	1.21	0.96	0.79	0.73	0.72	0.71	0.77	0.93				
100	21.7	18.7	15.5	12.1	8.84	5.65	2.66	1.32	0.54	0.54	0.54	0.54	0.53	0.51	0.55				
105	41.3	35.2	28.9	22.4	16.1	9.93	4.24	1.61	0.31	0.33	0.34	0.35	0.36	0.37	0.50				
110	64.2	56.1	47.7	39.2	30.8	22.8	15.3	11.2	7.84	5.20	3.30	2.12	1.67	1.95	2.96				
115	95.2	87.2	79.0	70.8	62.6	54.6	47.0	41.3	36.1	31.4	27.0	23.1	19.7	16.6	14.0				
120	138	133	128	123	118	112	107	99.4	91.9	84.1	75.7	67.0	57.9	48.3	38.4				
125	187	187	187	186	184	182	178	171	162	152	140	128	114	98.5	81.9				
130	229	231	233	235	236	236	235	230	223	215	206	195	184	171	156				
135	265	268	270	273	275	278	279	278	277	274	271	268	264	259	253				
140	300	301	304	306	309	312	315	317	318	320	321	322	324	325	326				
145	333	334	335	337	338	341	343	346	348	351	354	357	361	364	368				
150	363	363	364	364	366	367	369	371	373	375	378	381	385	388	392				
155	391	391	391	391	391	392	392	394	395	397	398	400	403	405	408				
160	415	414	414	413	413	413	413	414	414	415	416	417	419	420	422				
165	434	433	433	433	433	433	433	433	433	433	434	434	434	435	435				
170	450	449	449	448	448	447	447	447	447	447	447	447	447	447	447				
175	461	460	460	460	459	459	458	458	458	458	458	458	458	458	458				
180	464	464	464	464	464	464	464	464	464	464	464	464	464	464	464				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: